

General Bid Clarifications 6-26-14

Reference general conditions of the Addendum #1

1. Yard Layout Plan

A site layout and logistics plan will be required to be submitted by the contractor before the start work. On-site parking for the contractor's employees will not be allowed

An electronic site plan shall be made available after NTP to be used as a base for planning purposes

The area of work will be required to be fenced in accordance with Specification 01-00-00.

West Site Layout: Fence line will extend from Building 1 to the edge of Parking Lot 7 parallel to the west side of the bed tower. The fence line will be approximately 30 feet (along second dotted line) to the west of the Ground Floor Mechanical room. The parking/guard house will need to be relocated elsewhere on the UD campus plan; alternate location to be verified at NTP. Relocation of the parking/guard house is considered within the scope of this contract and shall be accomplished by the contractor.

South Side Layout: The South side access road will be available to be used only during work on the South side of the addition; the contractor will be required to include this timeframe information in the Master Construction Schedule for approval.

East Side layout: The area of work will go to the curb, before the grassy area. All areas must follow the code and be covered where people are accessing below. This includes the exit from the cafeteria that must remain open and be used as a legitimate access/egress point. All vehicles that will park in the area east of the work area will use the parking garage as ingress/egress.

North Side and through way access Layout: There must be access to the Siamese Hose bid connection on the building within the existing fenced in area. The windows will be protected as required by code and kept clean throughout the construction period.

The area past the grassy patch will be required to be accessed for fire protection per fire department requirements. At a minimum a 16' passageway for emergency vehicles must be maintained accessible through the work area in the event an emergency occurs. During working hours contractor equipment may impede this access provided all equipment/materials are easily movable should an emergency occur. After hours the passageway must be maintained clear of all materials and equipment. Access to the building area would need to be from the contractor's yard area.

It is required that deliveries would need to be held after hours and no employee parking will be allowed in the general parking areas. Potential impact on parking can be requested for concrete placement operations or other critical requirements but is not guaranteed.

2. Interim Life Safety Plan

A final interim life safety plan will be completed by the Safety Department. The contractor must coordinate this plan with part 1.5 B of specification 01-00-00 and work with the safety department to develop the interim life safety measures (ILSM). The stair tower (2A) will be accessible from the outside on a limited and pre-approved basis. The contractor will be required to build a construction stair tower to access the work area and provide any hoisting equipment as necessary to complete

the work. These structures must meet all safety requirements in accordance with 29 CFR 1926. In Phase IB, stair (2) will require egress from other areas of the second floor.

3. Schedule/Phasing Plan

A phasing plan will be required. Phase IA will start construction approximately 1 month after award. Phase IB will start no sooner than September 1, 2015. At notice to proceed all schedules, pre-construction submittals, meetings and other administrative items shall be submitted for approval to be completed by construction start. The phasing plan shall be noted in the detailed schedule showing all phases separately. The space will not be occupied partially between phases. Important details in the schedule including deliverables, conferences, meetings, planned outages, inspections, etc. shall be noted by phase. Coordination drawings need to be done and submitted within 30 days of the demolition of the 2nd floor demolition of the interstitial space. The submittal schedule should be linked to the project schedule. All inclusive copies of the government final accepted submittals including the final coordination drawings as built shall be delivered to the government at final acceptance along with other close-out documents. Transmittal letters shall always be included.

4. Summary of the Work

Sheet 1-X6 is the project key plan and is not intended to be indicative or all-inclusive of all the scope of work but is for illustrative use only. Please refer to the larger scale plans details and specifications.

5. **A FTP site** will be used for submittal processing and other communications. Emails will be sent as well notifying the CO, COR and A/E of postings.

6. ICRA PROJECT REQUIREMENTS

ICRA General Requirements

1. Contractor to comply with ICRA requirements for work in hospital buildings throughout demolition and during construction
2. Plastic zipper partitions and flame retardant 6 mil. Polyethylene sheeting plastic is not acceptable for use at any location.
3. Provide partitions, as required, along the perimeter between area of work and existing area to remain. Partitions to be from floor to underside of deck above and sealed along perimeter to prevent migration of dust and dirt.
4. Maintain negative air pressure within area of work for duration of demolition and Construction activities.
5. Building will be continuously occupied during construction duration. Maintain access to all exits.
6. Provide sticky walk off mats on both sides of all doors.
7. ICRA partitions/setup to be done during off hours.
8. All floor or underside of deck holes exposed or created during demolition/construction will be sealed
9. All clothing, tools, and materials (Post demolition phase) are to be HEPA vacuumed each time they Pass through the ante room
10. Contractors shall provide and wear full gown and shoe covers during demolition phase.
11. As the perimeter floor edge is exposed, any opening at the slab exterior wall shall be sealed Immediately.
12. Provide sweeps and vertical astragals on all ICRA doors and stair tower doors.
13. Contractor to provide and install: Existing smoke detectors will be converted to heat detectors and maintained during construction period. Temporary fire alarm pull stations and strobes will be installed at exit doors. Temporary battery powered smoke detectors will be required to be installed as directed by the VA COR and VA Safety Office
14. Maintain egress to all exit stair towers at all times.
15. Coordinate with owner any negative pressure enclosure shutdowns that may be required.
16. Contractor to provide all labor, equipment, and materials required to meet all hospital infectious control policies

17. Ensure all existing partitions being used as a construction barrier are made ICRA compliant and to be rated assembly construction; for 1 hour UL 419 minimum.
18. Minimum exhaust rate to be based on 4 air changes per hour with a minimum exhaust rate of 2,000 CFM
19. Develop and obtain approval of ICRA plan before commencing work. Approval to be provided by the VAMC COR and facility ICRA team.
20. Develop ICRA plan in coordination with asbestos abatement plan. The contractor will need to sign the ICRA permit in the field prior to starting work. Note that multiple permits may be required during the project.
These permits must be adhered to at all times.
21. The contractor will need to fill out and sign the PCRA information prior to starting work. No work will be Permitted to begin until the ICRA and PCRA information has been completed to the satisfaction of the VA

ICRA PLAN REQUIREMENTS

1. G.C. is to Follow VA/ICRA Regulations in Performing All Work.
2. Reference the Architectural and MEP Engineering Drawings for Phasing Coordination.
3. G.C. is to coordinate with the VA for Off-Hours Access to the Floors Above and Below the Work Needed for Mechanical Tie-Ins. Temporary ICRA Barriers are to be installed around All Work Areas Prior to Construction. MEP shutdowns shall not be greater than one weekend from Friday 6 PM through Monday 6 AM.
4. Items delineated under the Phase Notes are not all Inclusive of Work to be performed; G.C. is responsible for performing all Work Shown in Contract Documents in the Work Area Designated, and for providing ICRA at every work location.
5. Follow all Fire Safety Codes during Construction in accordance with the approved ILSM.
6. Provide approved door, frame and hardware set for ICRA Barrier openings. At a minimum the door shall be a 3'-0"x7'-0"x1 3/4" flush door with panic hardware rated to meet the fire rating of the wall. The hardware shall include a closer on construction side, a self- locking keypad operating hardware that fits 7-pin small format interchangeable cores on VA occupied side and a Sargent KPS200 series or equal. Weather-stripping shall be included on all 4 sides.
7. Paint all ICRA barriers on the public side of barriers.
8. The G.C. to Provide VA 15 calendar days' Notice of Any Work to be Preformed Off-Hours. Include in the Master Construction Schedule.
9. G.C. to Coordinate all Phases of Construction with Owner and Provide Critical Path Timeline/Gantt Chart, with Owner Approved Milestones in accordance with specification section 01 32 16.15.
10. Prior to the Start of Demolition, Isolate all HVAC Systems in Areas Where Work is Being Preformed, Refer to Mechanical Drawings for Isolation and/or Removal. Install all Temporary Partitions and Coordinate New Construction Necessary to meet ICRA Standards, Refer to Phasing Plan and Phasing General Note "25" for Existing Walls that Require Modification. Establish Negative Pressure at ICRA Barriers Equivalent to 0.001" Water Gauge. Negative Pressure shall be accomplished by HEPA Exhaust Filtration units monitored by Ball in tube indicator visible in public areas.
11. Patch and Repair any Existing Walls, Floors and Ceilings affected by Demolition and/or Construction.
12. Contractor to Utilize HEPA Filtered Fans to Control Dust and Achieve Negative Pressurization in Work Site Throughout Project.
13. Reference Mechanical, Electrical, and Plumbing Demolition Plans for Removal and/or Relocation of All Equipment, Devices, Light Fixtures, and Sprinklers, ETC.
14. Do Not Remove Barriers/Dust Partitions from Work Area until Project Phase is Completed and Project Area is Thoroughly Cleaned and Approved by Engineering Services.
15. Vacuum Work with HEPA Filtered Vacuums. Wet Mop with Disinfectant after Vacuuming - Daily or More Frequently as Needed to Minimize Dust Generation.
16. Route Discharge Duct of HEPA Filter to exterior of building where Negative Pressure is Maintained for Work Space. G.C. to Monitor Filters and Coordinate with Owner at each Discharge Location as Work Progresses.
17. Remove Barrier/Dust Partition Material Carefully to Minimize Spreading of Dirt and Debris Associated with Construction.
18. Contain Construction Waste Before Transport in Tightly Covered Containers. Cover Transport Receptacles or Carts, Tape Covering. All waste inside construction area to be contained and tightly covered at all times.

19. Contractor Shall Maintain Temporary Life Safety Devices within the Construction Site throughout the Duration of the Project as directed by the VA COR and VA Safety Office.
20. No plastic in VAPHS. Plastic is not approved for use as ICRA or dust barrier at any location.
21. Provide Temporary 1 Hr. Rated Construction Barrier (UL419) Prior to the Start of Demolition. Provide continuous firestop Sealant as required for the application. Finish and paint Barrier Exposed to the Public. Erect Partition Tight to the Floor, Side Walls and the Underside of Ceiling. Remove Barrier According to approved phasing plan, remove at Completion of Work.
22. Provide Wall Construction at Anteroom of Construction Site to Meet 1Hr. ICRA Barrier Criteria.
23. All ICRA Barriers to be extended and fire-proofed where necessary to meet ICRA requirements.
24. All ICRA Barriers to be 1 hour rated. Refer to design and complete UL Listing assembly for complete designs of all components (IE walls, penetrations, steel framing, floors, decks, etc.)
25. Provide UL fire rated penetration fireproofing around penetrations through smoke & fire rated partitions.
26. All new piping should be capped at both ends (fire rated/proof cap) until final connections are made. Refer to UL listings for complete assembly Requirements and submit to VA for final Approval.
27. Prior to Demolishing in an Area, Disconnect and Remove Existing HVAC Ducts, Electrical and Plumbing lines within the ICRA Barrier; Refer to: MEP drawings and specifications for additional Information

ICRA CLASSIFICATION: The ICRA Classification will be type D; Class 4; High Risk

Major demolition and construction projects, including, but not limited to:

- A. Activities requiring heavy demolition or removal of complete cabling system
- B. New construction
- C. Activities which require consecutive work shifts

During the Construction Project

1. Isolate HVAC system in area where work is being done to prevent contamination of duct system.
2. Complete all critical barriers I.E. sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method (Cart with plastic covering and sealed connection to work site with HEPA vacuum for vacuuming prior to exit.) before construction begins.
3. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units.
4. Seal holes, pipes, conduits, and punctures appropriately.
5. Construct anteroom and require all personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving work site or they can wear cloth or paper coveralls that are removed each time they leave the work site.
6. All personnel entering the work site are required to wear shoe covers. Shoe covers are required to be changed each time the worker exits the work area.
7. Do not remove barriers from work area until completed project is inspected by hospital's ICRA safety department and ICRA team, and thoroughly cleaned by hospital's environmental services department.
8. Use an anteroom constructed to meet the requirements of the ICRA wall and isolation requirements.

After Completion of the Project

1. Remove barrier material carefully to minimize spreading of dirt and debris associated with construction.
2. Contain construction waste before transport in tightly covered containers.
3. Vacuum work area with HEPA filtered vacuums.
4. Wet mop area with disinfectant.
5. Remove isolation of HVAC system in areas where work is being performed.